

SIX-TRANSISTOR plus two-diode two-waveband portable in robust wood case covered with washable leathercloth in choice of red, blue or black. There is push-button wavechange, easy-to-read linear type tuning scale and transformerless push-pull output.

Battery. Ever Ready PP11, Vidor VT11, Dryden DT11 or equivalent.

Consumption. 12mA quiescent.

Wavebands. MW 187-570m(1605-526kc/s),
LW 1050-2000m(286-150kc/s).

Transistors. AF117 mixer-oscillator, AF117 first IF amplifier, AF117 second IF amplifier, OC81D audio driver, OC81(2) push-pull output.

Diodes. OA70 AGC overload, OA70 detector and AGC.

IF. 470kc/s.

Speaker. 4in. diameter 25ohms.

Aerial. Internal ferrite rod covering MW and LW. Socket connected to separate coil on ferrite rod for car aerial.

Dimensions. $9\frac{1}{2} \times 5\frac{1}{2} \times 3$ in.

Price. 12½gns. including tax.

Maker. Alba (Radio and Television) Ltd.

Service department. 52-58 Tabernacle Street, London EC2. Tel.: Clerkenwell 1322.

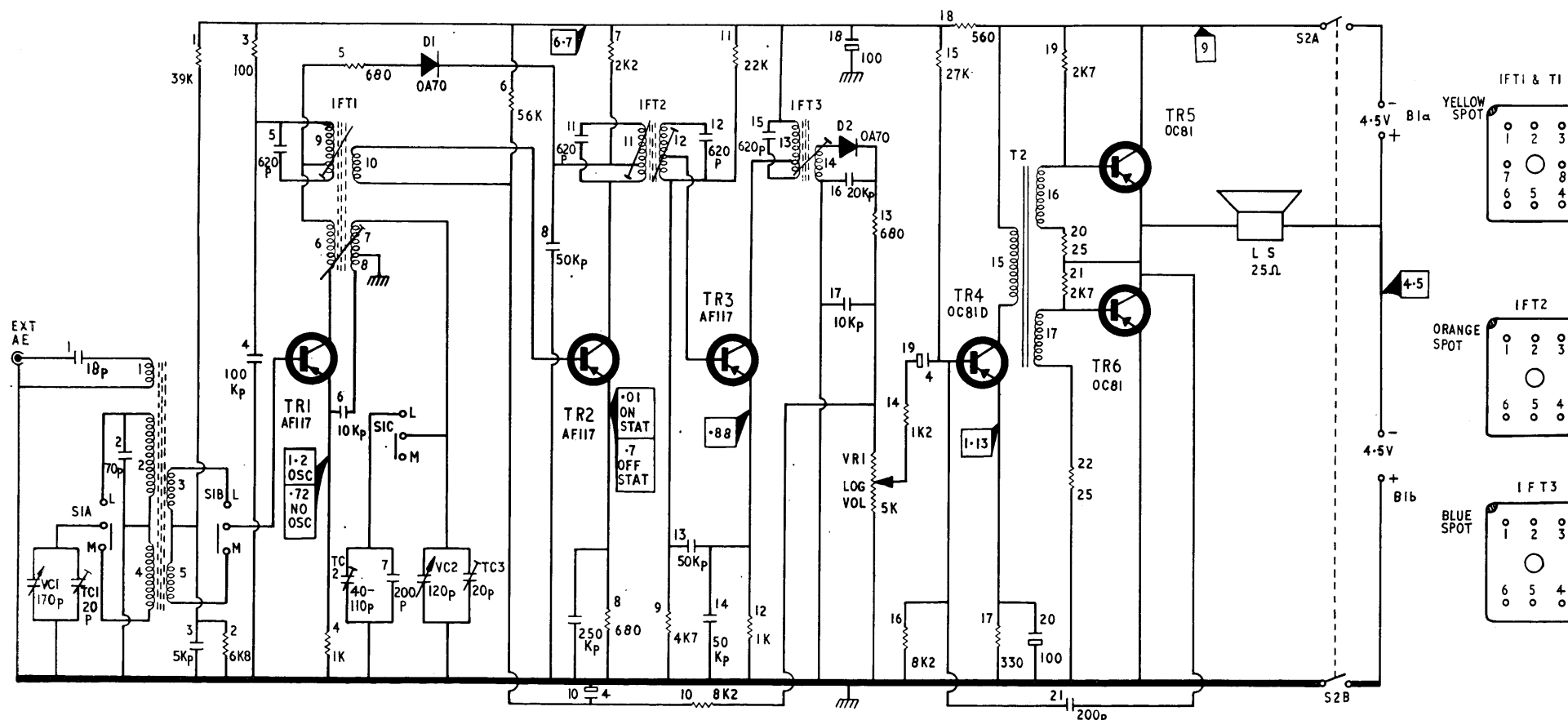
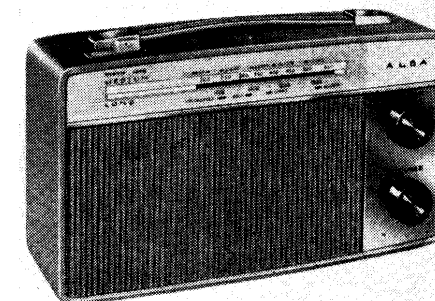
DISMANTLING

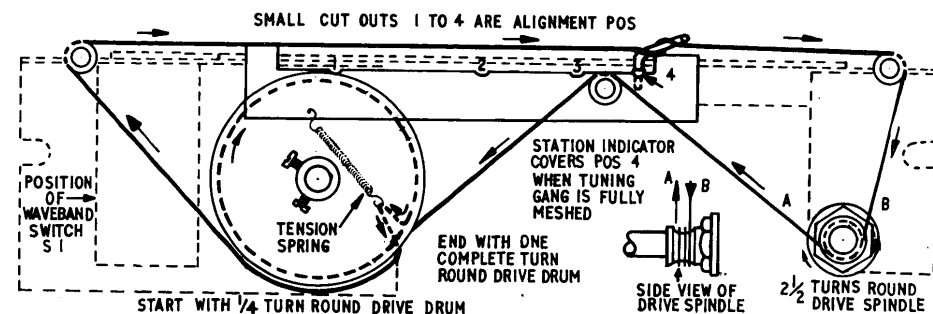
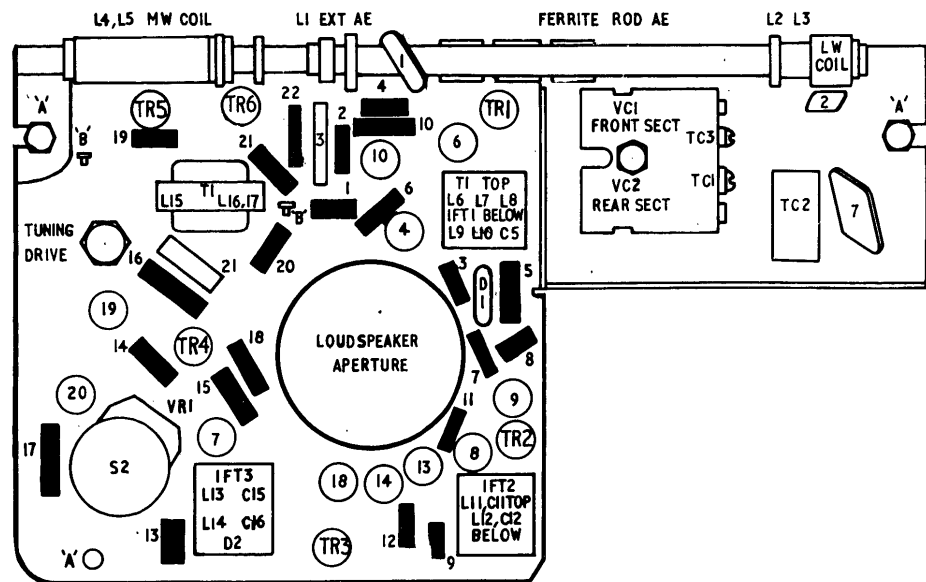
Panel removal. Remove cabinet back by taking out two screws at the top and

pulling centre flap. This will permit access to the battery and to the component side of the printed panel. Pull off the two control knobs. Remove two hexagon nuts and a cross-point head screw (marked A in layout diagram) securing the panel to the cabinet.

Unsoldr leads to the external aerial socket. Unplug the two speaker leads from tags on the printed circuit panel. The complete chassis assembly may now be removed from the cabinet, easing the push-buttons through their aperture.

To reassemble, reverse the above procedure. When replacing the back, first insert the metal locating strips in the slots at the bottom of the cabinet.





ALIGNMENT

Equipment required. Modulated signal generator covering MW, LW and IF, output meter 25ohms, transmitting loop, trimming tools.

IF. Switch receiver to LW. Rotate gang to fully open position (minimum wavelength). Turn volume control to maximum. Connect signal generator across aerial section of tuning gang (VC1). Inject modulated 470kc/s signal and adjust cores of L13/14 (top), L12 (bottom), L11 (top), and L9/10 (bottom), in that order, for maximum output. Repeat, using reduced signal input, for optimum results.

RF MW. Switch to MW. Inject test signal via a transmitting loop, placed about 12in. from, and coaxial with, the ferrite rod aerial coils. Check that with the tuning gang at maximum the tuning pointer

coincides with the end calibration notch (No. 4). Tune receiver to 500m (calibration notch No. 3). Inject modulated 600kc/s signal and trim oscillator coil L6/7 for maximum output.

Slide MW aerial coil L4/5 along ferrite rod for maximum output. Retune receiver to 200m (calibration notch No. 1). Tune generator to 1500kc/s. Adjust oscillator trimmer TC3 and aerial trimmer TC1 for maximum output. Repeat these operations.

RF LW. Switch to LW. Inject test signal via a transmitting loop placed about 12in. from, and coaxial with, the ferrite rod aerial coils. With the pointer on calibration notch No. 2 tune in the Light programme (1500m) by adjusting oscillator trimmer TC2. Adjust LW aerial coil L2/3 by sliding along the aerial rod for maximum output.

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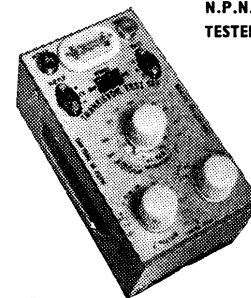
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